

TMB One Component HRP Membrane UltraSensitive™ Substrate

Substrate and Assay Reagents

Product Information

Product No.: T263

Storage: Sterile 2 to 8°C

Product Description

Background:

TMB HRP Microwell UltraSensitive™ Substrate (3,3',5,5' tetramethylbenzidine) is a soluble substrate used with the enzyme horseradish peroxidase (HRP) designed for various qualitative and quantitative immunoassays but not recommended for membrane or immunohistochemical applications where a precipitating reaction product is required. Initially, the substrate should be colorless or slightly yellow in color and will be stored in a mildly acidic buffer. TMB HRP Microwell UltraSensitive™ Substrate turns a deep blue color when reacted with horseradish peroxidase labeled conjugates with absorbencies at 370 nm or in a range of 620 nm to 650 nm. The color is changed to a bright yellow if an acidic stop reagent such as HCl or sulfuric acid is used. The absorbance should be read at 450 nm if the reaction is stopped which increases the sensitivity 2-4 fold.

Leinco Technologies' TMB Microwell Substrates exhibit superior kinetic performance, sensitivity and lot to lot consistency as compared to other vendors. The outstanding shelf life of at least thirty months for the TMB HRP Microwell UltraSensitive™ Substrate makes this reagent ideal for long term use of the same manufacturing lot.

Storage and Stability

Store at temperatures between 2 to 8°C. **Do Not Freeze.** The substrate should be protected from direct light by storing in amber bottles. Only high quality amber glass and plastic products should be used for storing aliquots.

Country of Origin

USA